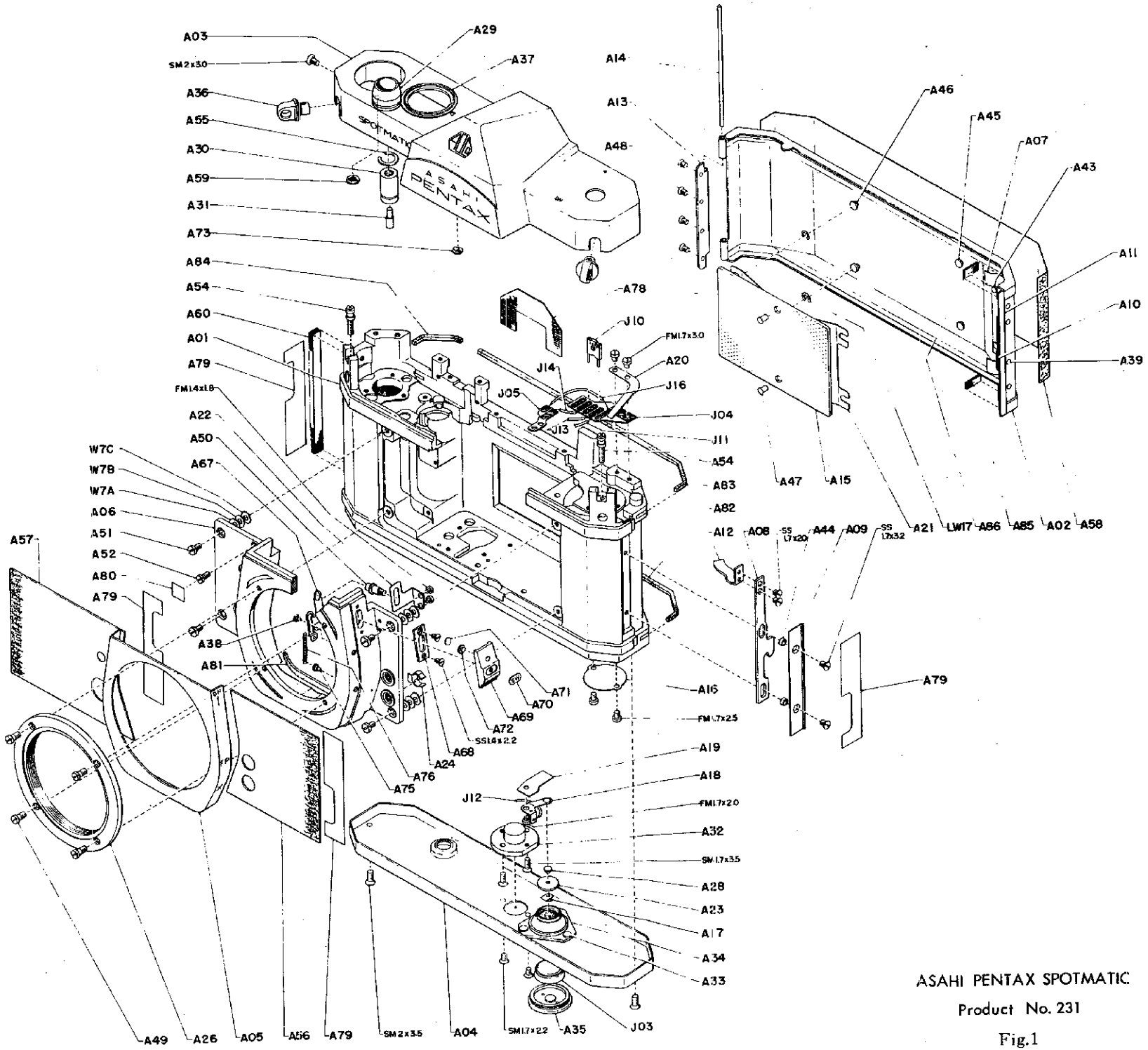
PRODUCT NO.231

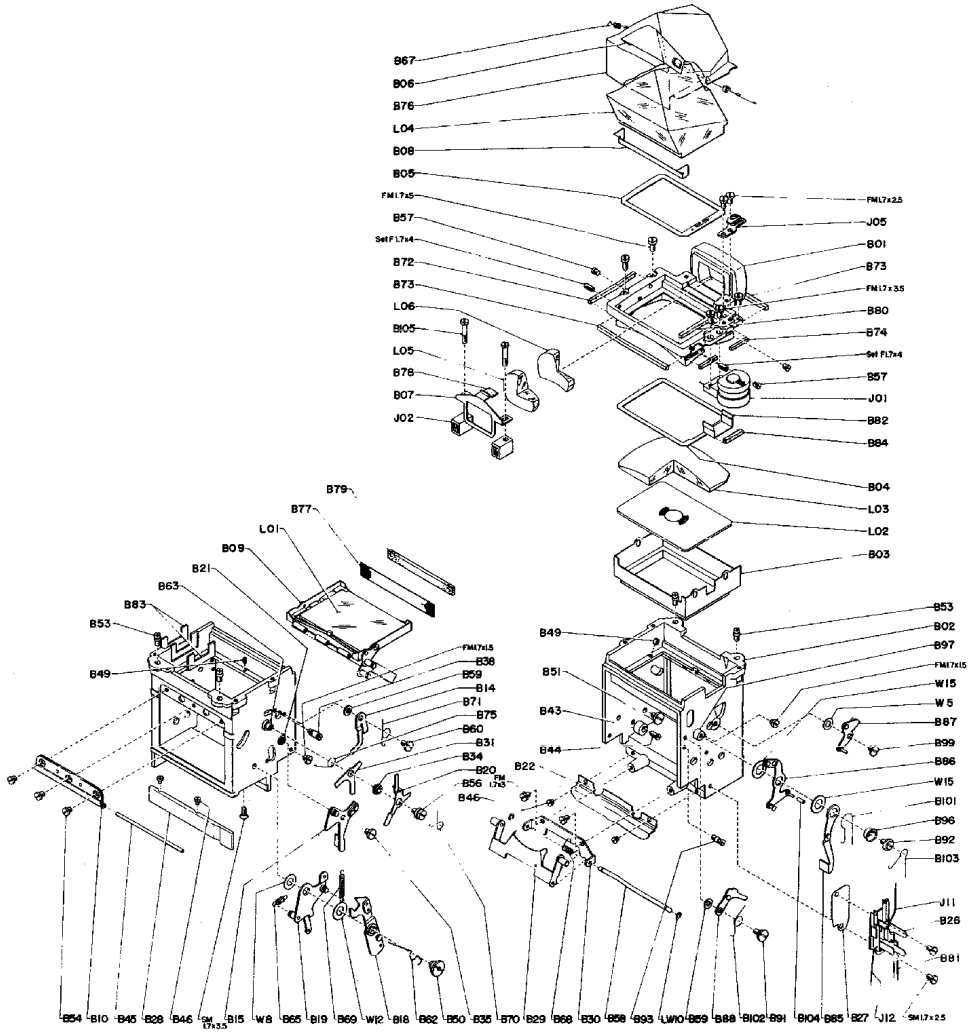
ASAHI PENTAX SPOTMATIC



ASAHI PENTAX SPOTMATIC

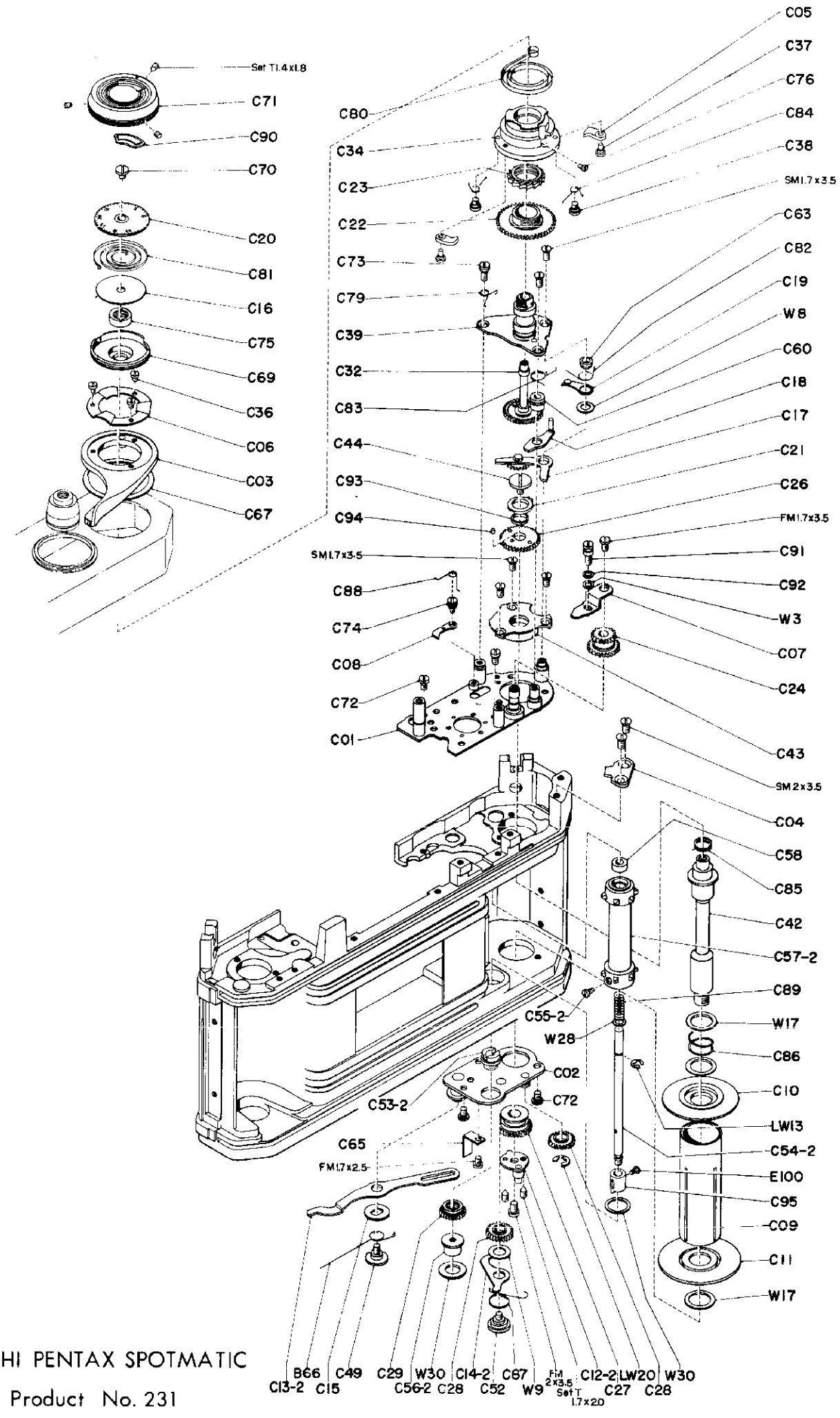
Product No. 231

Fig.1



ASAHI PENTAX SPOTMATIC

Product No.231 Fig.2



ASAHI PENTAX SPOTMATIC

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Fig.3

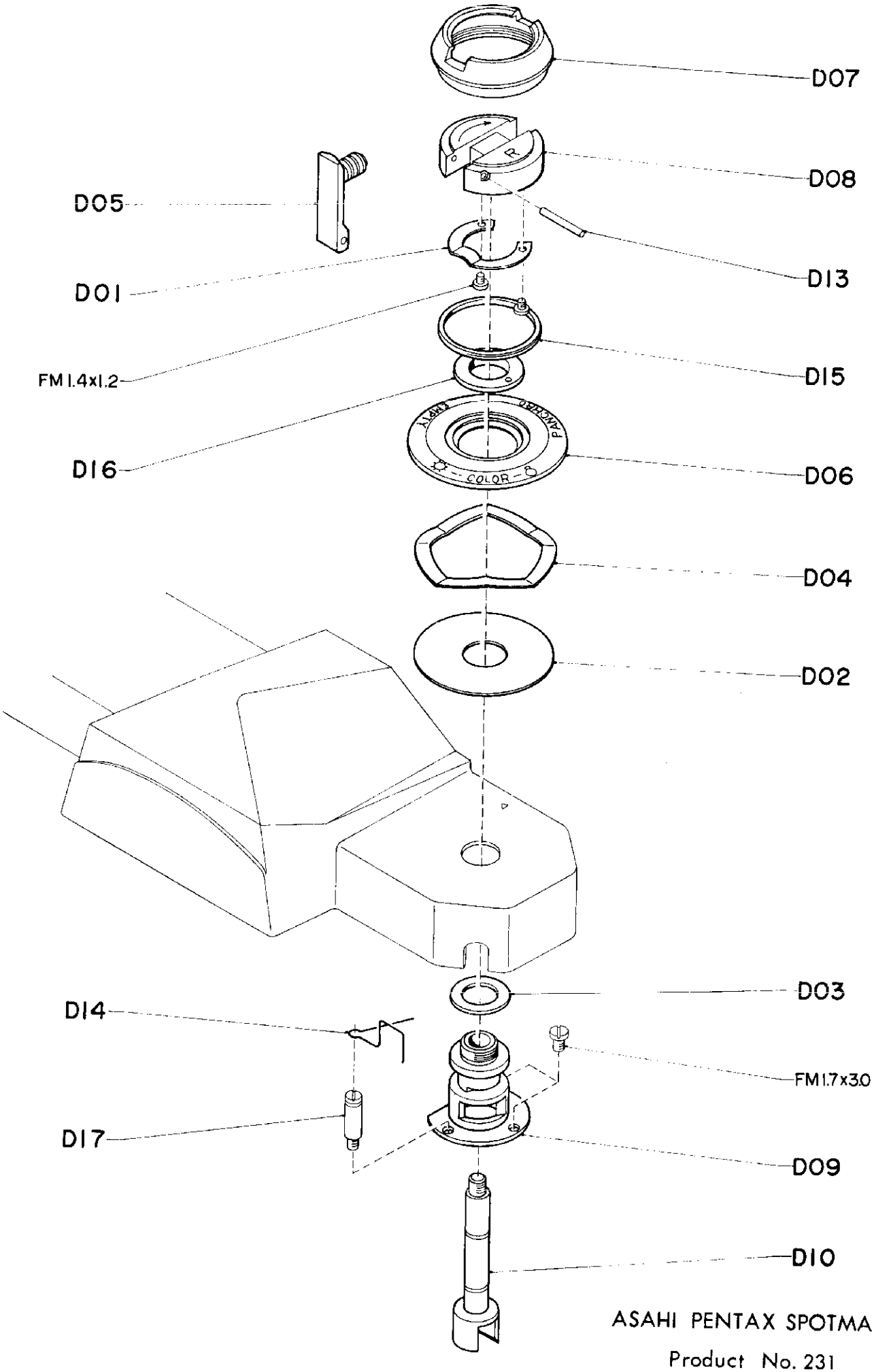

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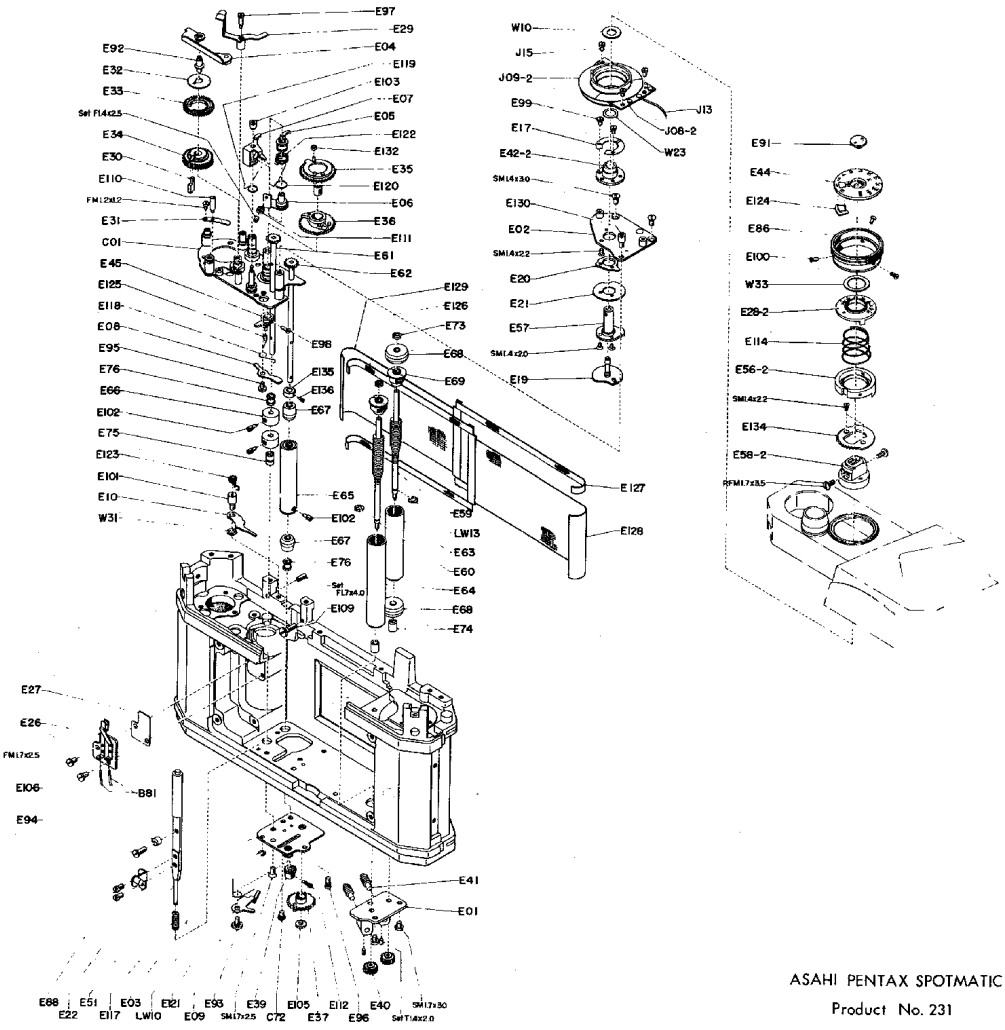
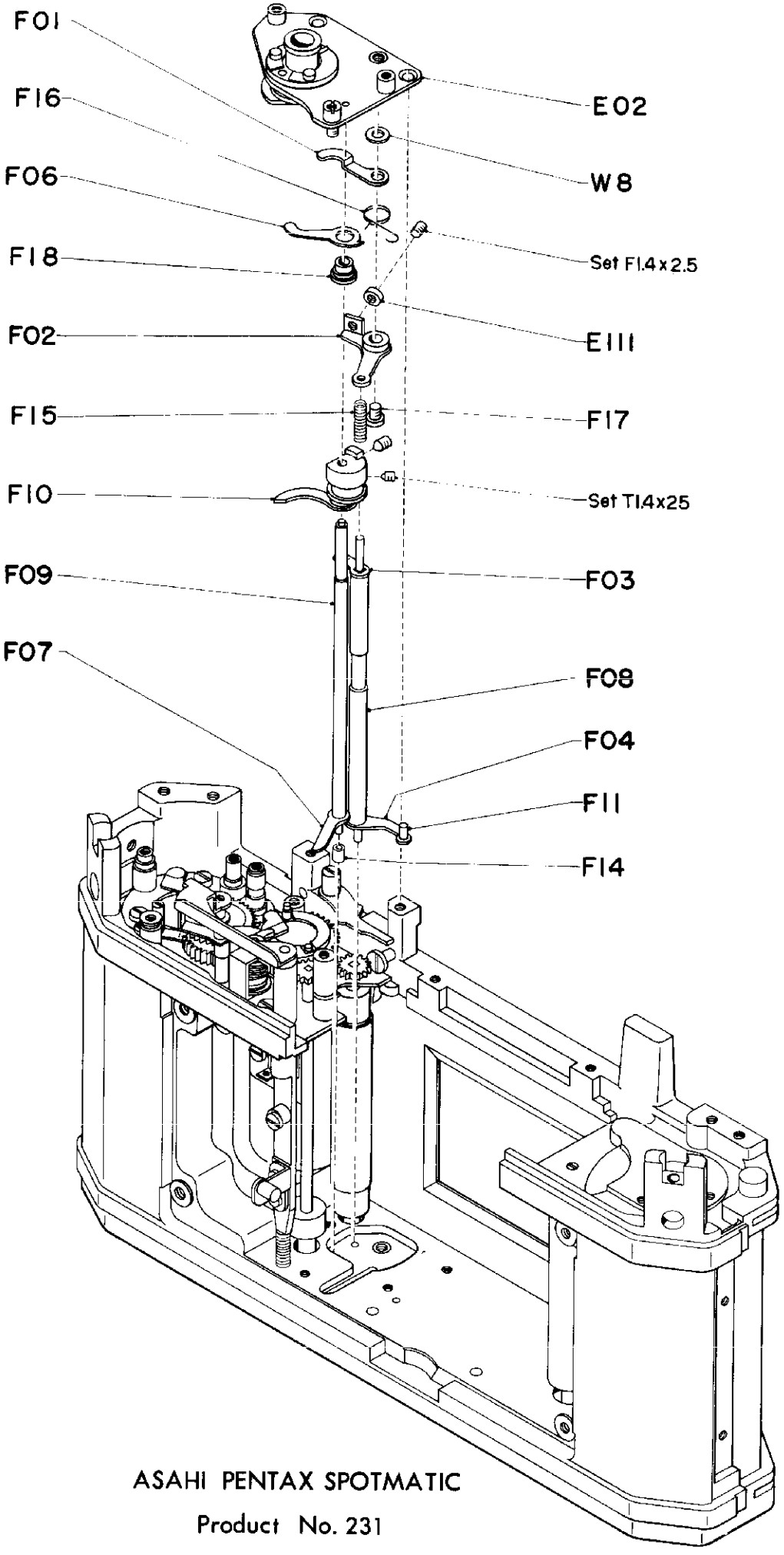
Fig.4



ASAHI PENTAX SPOTMATIC

Product No. 231

Fig.5



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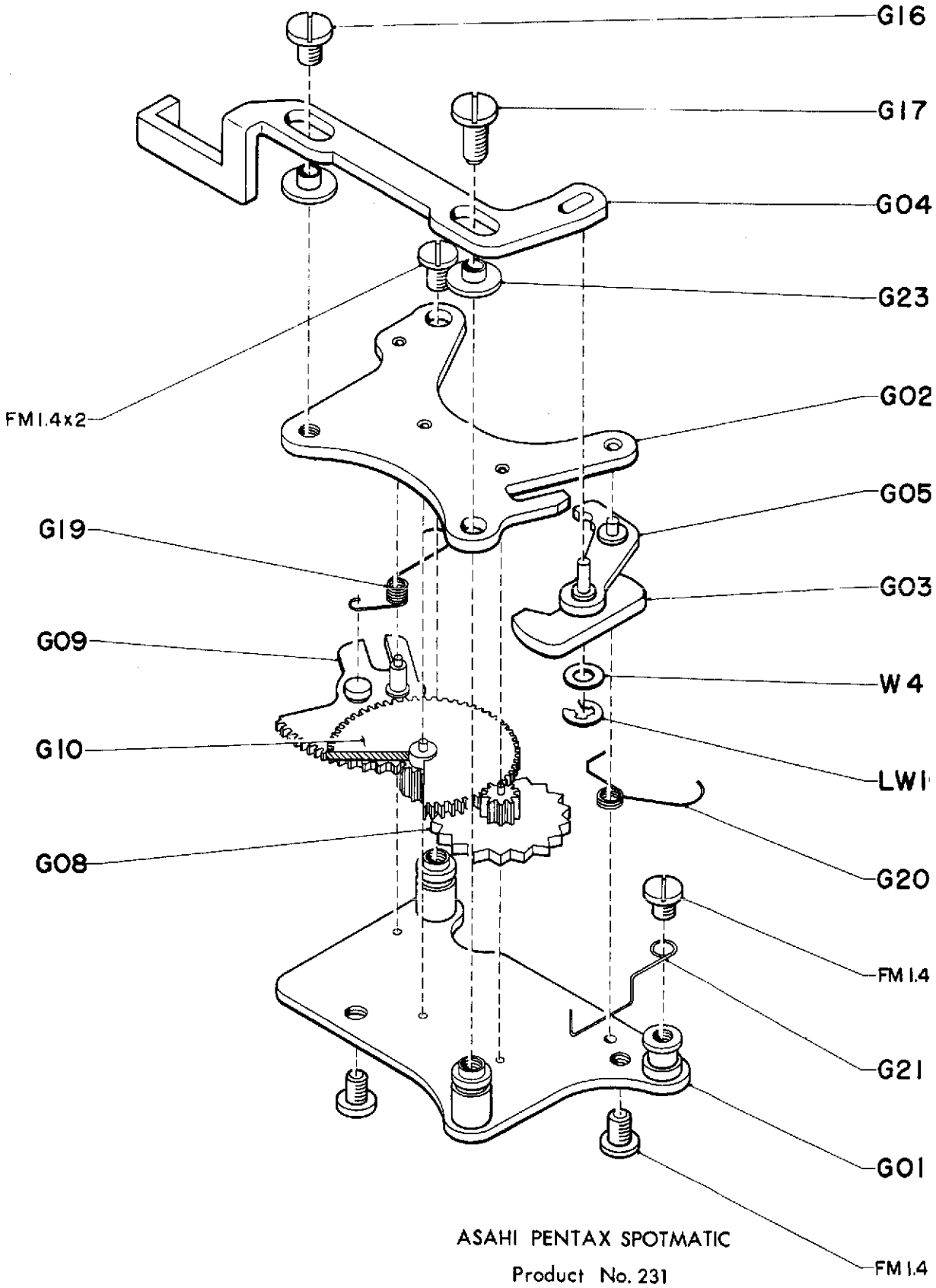
Product No. 231

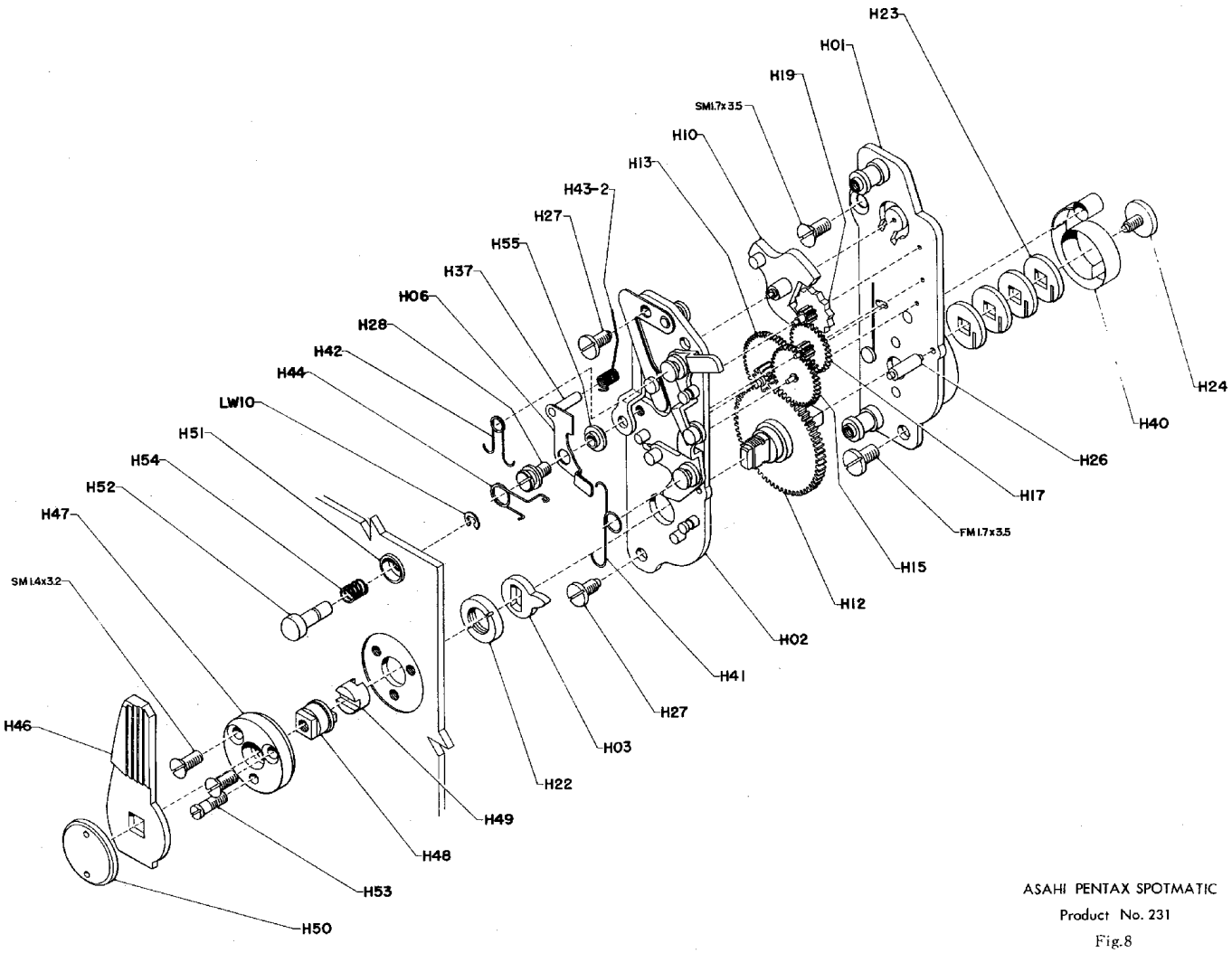
Fig.6



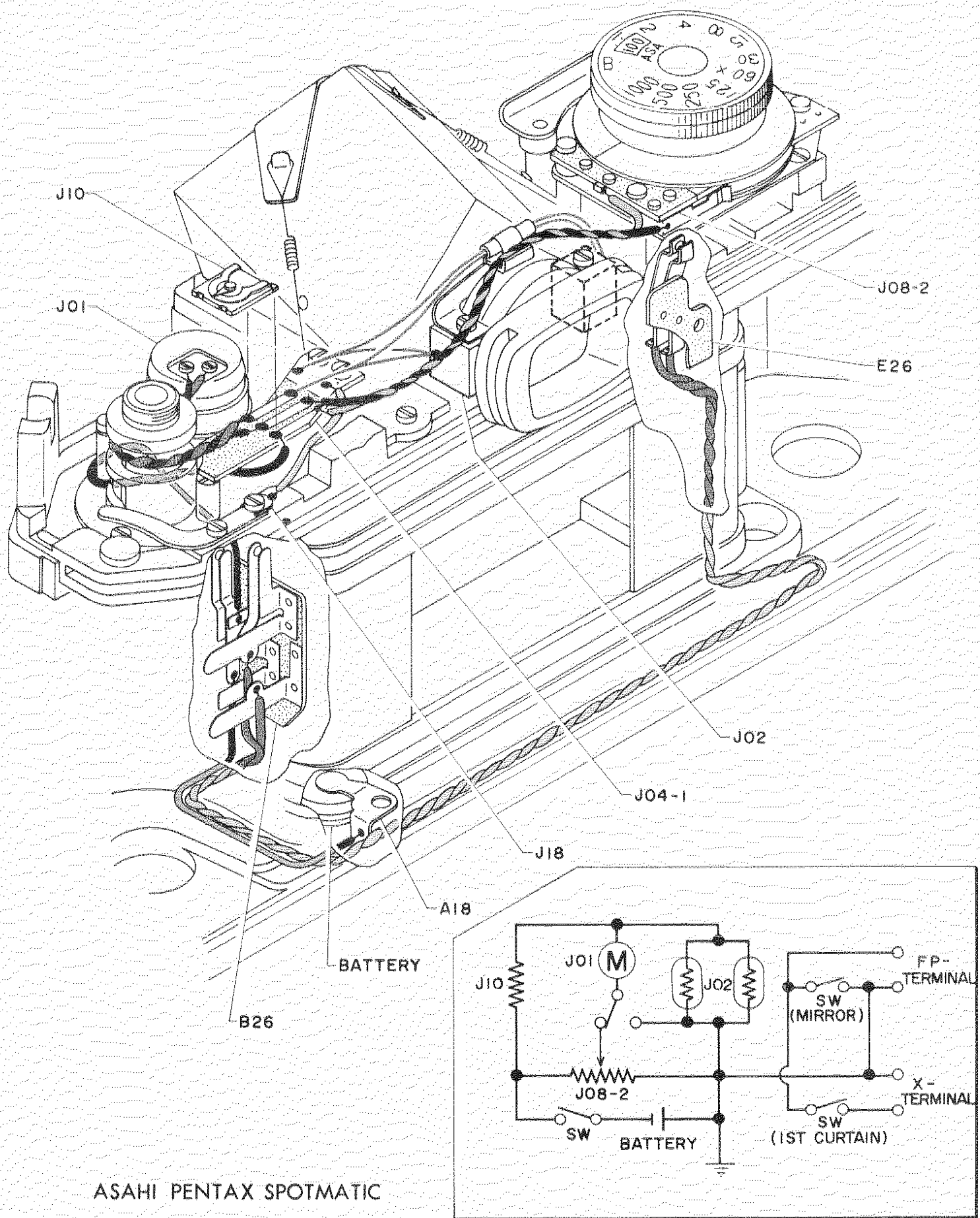
ASAHI PENTAX SPOTMATIC

Product No. 231

Fig.7



ASAHI PENTAX SPOTMATIC
Product No. 231
Fig.8



ASAHI PENTAX SPOTMATIC

Product No. 231

Fig. 9—1

DISTRIBUTING WIRES

ASAHI PENTAX SPOTMATIC

LIST OF SERVICE PARTS

(Product No. 231)

Note: 1. The parts with numbers starting with '0' are assemble parts.
2. The * marked parts are included in the '0' starting assembled parts.
3. The small letters a, b and c immediately following Parts No. mean the kind of parts to be used for adjustment, and anyone of them should be used.

Parts No.		Description	Quantity
A01		Body proper	1
0A02		Back cover assembly (A02, A07, A10, A11, A13, A14, A39×4, A43×2, A45×2, A46×2)	1
0A03		Top cover assembly (A03, A29, A37, A59, A73, A78)	1
0A04		Bottom cover assembly (A04, A17, A23, A28, A33×3, A34)	1
A05		Front cover	1
0A06		Front board assembly (A06, A38, A40×2, A41×2, A42×2, A75, A81, H51)	1
A07	*	Cassette retainer	1
A08		Back cover key A	1
A09		Back cover key retainer plate	1
A10	*	Back cover key B	1
A11	*	Back cover key cover	1
A12		Back cover key release plate	1
A13		Hinge	1
A14		Hinge shaft	1
0A15		Pressure plate assembly (A15, A21, A47×2)	1
A16		Cassette receptacle	1
A17	*	Battery contact piece A	1
0A18		Battery contact piece B assembly (A18, A25, A27)	1
A19		Battery contact piece insulator	1
A20		Back cover key retainer spring	1
A21	*	Pressure plate spring	1

Parts No.		Description	Quantity
A22		AM switch lever retainer	1
A23	*	Battery insulator plate	1
A24		Earth	1
A25	*	Contact piece insulator plate	1
A26		Helicoid seat	1
A27	*	Insulator plate retainer rivet	1
A28	*	Contact piece rivet	1
A29	*	Shutter button seat	1
A30		Shutter button	1
A31		Shutter button shaft	1
A32		Tripod socket	1
A33	*	Battery housing retainer rivet	3
A34	*	Battery housing	1
A35		Battery cover	1
A36		Strap hook	2
A37	*	Brim ring	1
A38	*	Guide stud	1
A39	*	Back cover key rivet	4
A40	*	Synchro terminal inner pole	2
A41	*	Synchro terminal outer tube	2
A42	*	Synchro terminal seat	2
A43	*	Cassette holder retainer rivet	2
A44		Back cover key collar	2
A45	*	Pressure plate retainer stud A	2
A46	*	Pressure plate retainer stud B	2
A47	*	Pressure plate retiner rivet	2
A48		Hinge retainer screw	4
A49		Helicoid seat retainer screw	4
A50		AM switch lever shaft	1
A51		Front board retainer screw A	4
A52		Front board retainer screw B	1
A53		Strap hook retainer screw A	1

Parts No.		Description	Quantity
A54		Strap hook retainer screw B	1
A55		Shutter button retainer spring	1
A56		Body covering, left	1
A57		Body covering, right	1
A58		Back cover covering	1
A59	*	Rapid wind indicator window	1
A60		Light seal cloth	1
0A67		AM switch lever guide plate assembly (A67, A74)	1
A68		AM switch lever seat	1
0A69		AM switch lever assembly (A69, A70, A72)	1
A70	*	SW switch plate	1
A71		SW indicator plate	1
A72	*	SW switch indicator window	1
A73	*	Warning window	1
A74	*	Restitution spring hanger A	1
A75	*	Restitution spring hanger B	1
A76		Restitution spring	1
A78	*	Light seal	1
A79		Tape	4
A80		Tape	1
A81	*	Front board dust prevention string	1
A82		Light seal string A	1
A83		Light seal string B	1
A84		Light seal string C	1
A85		Light seal cloth A	1
A86		Light seal cloth B	1
B01		Prism seat	1
0B02		Mirror housing assembly (B02, B21, B63, B97)	1
B03		Ground glass frame	1
B04		Ground glass retainer	1

Parts No.		Description	Quantity
B05		Ground glass mask	1
B06		Prism retainer plate	1
0B07		Magnifier retainer assembly (B07, B78)	1
B08		Prism side retainer plate	1
0B09		Mirror seat assembly (B09, B12, B13, E37, B47×2, B48×2, B89)	1
0B10		Mirror hinge assembly (B10, B11, B55)	1
B11	*	Hinge cover	1
B12	*	Mirror retainer	1
B13	*	Mirror seat receptacle	1
B14		Hook plate	1
0B15		2nd dia. lever assembly (B15, B32, B39, B61)	1
B16	*	Contact A	3
B17	*	Contact B	3
0B18		Mirror actuator lever top assembly (B18, B32, B36, B40, B41, B61)	1
0B19		Mirror actuator lever bottom assembly (B19, B39, B42, B46)	1
B20		Curtain actuator lever	1
B21	*	Dia. 2nd lever shaft	1
B22		Light seal, bottom	1
B23	*	FP contact piece A	1
B24	*	FP contact piece B	1
B25	*	FP contact piece C	1
0B26		Synchro seat assembly (B26, B16×2, B17×2, B23, B24, B25, B27, B52×10, E16, E18, J11, J12)	1
B27	*	Synchro seat insulator	1
B28		Shutter curtain control plate	1
0B29		1st dia. lever assembly (B29, B33×2)	1
B30		Dia. lever supporter	1
B31		Mirror hook lever	1
B32A	*	Hook plate receptacle A	2
B32B	*	Hook plate receptacle B	1

Parts No.		Description	Quantity
B33	*	Dia. 1t lever pin	2
B34		Curtain actuator lever collar	1
B35		2nd dia. lever retainer screw	1
B36	*	Mirror actuator lever top collar	1
B37	*	Mirror seat receptacle stud	1
B38		Curtain actuator lever spring hanger	1
B39	*	Dia. lever spring hanger	2
B40	*	Mirror retainer spring hanger	1
B41	*	Mirror actuator lever spring hanger A	1
B42	*	Mirror actuator lever spring hanger B	1
B43		Mirror seat rest	1
B44		Mirror seat rest retainer screw	1
B45		Mirror hinge shaft	1
B46		Shutter curtain control plate retainer screw	8
B47	*	Mirror seat receptacle rivet	2
B48	*	Mirror retainer rivet	2
B49		Focus adjust screw	3
B50		Mirror actuator lever shaft	1
B51		Mirror actuator lever shaft retainer screw	1
B52	*	Synchro lever rivet	16
B53		Mirror housing retainer screw	2
B54		Mirror hinge retainer screw	3
B55	*	Hinge cover rivet	2
B56		Mirror hook lever retainer screw	1
B57		Ground glass frame retainer screw	3
B58		1st. dia. lever shaft	1
B59		Hook plate rest	2
B60		Hook plate retainer screw	1
B61	*	Hook plate receptacle rivet	4
B62		Mirror checker spring	1
B63	*	Curtain acuator lever shaft	1
B64	*	Mirror actuator lever bottom rivet	1

Parts No.		Description	Quantity
B65		Mirror seat spring	1
B66		Mirror restitution spring	1
B67		Prism retainer spring	2
B68		1st dia. lever spring	1
B69		Dia. lever spring	1
B70		Curtain actuator lever spring	1
B71		Hook plate spring	1
B72		Dust prevention string A	1
B73		Dust prevention string B	2
B74		Dust prevention string C	2
B75		Mirror hook lever spring	1
B76		Prism protector	1
B77		Light seal curtain	1
B78	*	Magnifier cushion	1
B79		Mirror shock absorber	1
B80		Dust prevention string F	2
B81	*	Synchro cord	2
B82		Dust prevention cover	1
B83		Dnst prevention string D	2
B84		Dust prevention string E	1
0B85		Dia. actuator lever A assembly (B85, B96, B106)	1
0B86		Dia. actuator lever B assembly (B86, B32B, B94, B95, B100×2, B104)	1
0B87		Hook release lever assembly (B87, B90, B95)	1
0B88		Hook assembly (B88, B98)	1
B89	*	Hook release stud A	1
B90	*	Hook release stud B	1
B91		Hook retainer screw	1
B92		Dia. actuator lever retainer screw	1
B93		Dia. actuator lever stopper	1
B94	*	Dia. actuator lever B stud	1
B95	*	Switch actuator pin	2

Parts No.		Description	Quantity
B96	*	Dia. actuator lever A collar	1
B97	*	Dia. actuator lever shaft	1
B98	*	Hook spring hanger stud	1
B99		Hook release lever retainer screw	1
B100	*	Dia. actuator lever B receptacle rivet	2
B101		Dia. actuator lever spring	1
B102		Hook spring	1
B103		Dia. actuator lever restitution spring	1
B104	*	Switch insulator tube	1
B105		Manifier retainer screw	2
B106	*	Dia. actuator spring hanger	1
B107		Protector tube	1
0C01		Top mec. plate assembly (C01, C33, C40, C41, C45, C46, C59, C62, C64, E43, E48, E50, E54, E104)	1
0C02		Bottom mec. plate assembly (C02, C48, C50, C51)	1
0C03		Rapid wind lever assembly (C03, C35)	1
C04		Lever stopper	1
C05	*	Wind-up ratchet	2
C06		Rapid wind lever retainer spring	1
C07		Stopper	1
C08		Non-return arm	1
C09		Take-up spool shaft	1
C10		Top take-up spool brim	1
C11		Bottom take-up spool brim	1
0C12-2		Coupler lever pin adjust seat assembly (C12-2, C47)	1
C13-2		Coupler lever	1
C14-2		Rewind actuator lever	1
C15		Coupler lever washer	1
C16		Counter dial spring seat	1
0C17		Counter dial coupler lever assembly (C17, C30, C31)	1

Parts No.		Description	Quantity
0C18		Counter dial actuator lever assembly (C18, C61)	1
0C19a		Counter dial ratchet assembly (C19a, C77)	1
0C19b		〃 〃 (C19b, C77)	1
0C19c		〃 〃 (C19c, C77)	1
0C20		Counter dial assembly (C20, C68)	1
C21	*	Counter dial actuator	1
C22		Top 1st gear	1
C23		Rapid wind ratchet wheel	1
0C24		Top 2nd gear assembly (C24, C25)	1
C25	*	Top 3rd gear	1
C26	*	Top main gear	1
C27		Bottom main gear	1
C28		Idling gear	2
C29		Sprocket gear	1
C30	*	Counter dial 1st gear	1
C31	*	Counter dial 2nd gear	1
0C32		Counter dial 3rd gear assembly (C32, C66)	1
C33	*	Shutter rest column	1
0C34		Rapid wind lever seat assembly (C34, C05×2, C37×2)	1
C35	*	Rapid wind lever stud	1
C36		Rapid wind lever retainer screw	3
C37	*	Wind-up ratchet shaft	2
C38		Rapid wind ratchet spring hanger	2
0C39		Rapid wind lever shaft assembly (C39, C66)	
C40	*	Stopper column	1
C41	*	Top 2nd gear shaft	1
0C42		Wind-up shaft assembly (C42, C21, C26, C43, C44, C85, C93, C94)	1
C43	*	Wind-up shaft bearing	1
C44	*	Top main gear retainer screw	1
C45	*	Gear column pin	1
C46	*	Non-return arm seat	1
C47	*	Coupler lever pin	1

Parts No.		Description	Quantity
C48	*	Coupler lever pin	1
C49		Coupler lever retainer screw	1
C50	*	1st idling gear shaft	1
C51	*	2nd idling gear shaft	1
C52		Idling gear retainer screw	1
C53		Sprocket gear shaft	1
C54		Sprocket shaft	1
C55		Clutch pin	1
C56		R button	1
C57		Sprocket	1
C58		Sprocket collar	1
C59	*	Counter dial actuator lever shaft	1
C60		Counter dial actuator lever collar	1
C61	*	Counter dial actuator lever pin	1
C62	*	Counter dial coupler lever shaft	1
C63		Counter dial coupler lever collar	1
C64	*	Rapid wind lever shaft seat	1
C65		Wiring retainer	1
C66	*	Counter dial stopper	2
C67		Rapid wind lever collar	1
C68	*	Counter dial spring hanger	1
C69		Counter dial housing	1
C70		Counter dial retainer screw	1
0C71		Counter dial cover ring assembly (C71, C90)	1
C72		Mec. plate retainer screw	4
C73		Rapid wind shaft retainer screw	1
C74		Non-return arm screw	1
C75		Rapid wind lever shaft nut	1
C76		Spring retainer screw	1
C77	*	Counter dial ratchet stud	1
C79		'Cocked' indicator spring	1
C80		Spring	1

Parts No.		Description	Quantity
C 81		Counter dial spring	1
C 82		Counter dial ratchet spring	1
C 83		Counter dial actuator lever spring	1
C 84		Rapid wind ratchet spring	2
C 85	*	Wind-up shaft spring	1
C 86		Take-up spool retainer spring	1
C 87		Rewind actuator lever spring	1
C 88		Non-return arm spring	1
C 89		Sprocket spring	1
C 90	*	Counter dial window	1
C 91		Stopper retainer screw	1
C 92		Stopper washer	2
C 93	*	Counter dial actuator plate collar	1
C 94	*	Counter dial actuator plate pin	1
C 95		Clutch ring	1
D 01	*	Hoof spring	1
D 02		Film type dial washer	1
D 03		Shaft bearing washer	1
D 04		Film type dial spring	1
D 05	*	Crank	1
D 01		Film type dial	1
D 07	*	Rewind cover ring	1
0D 08		Rewind knob assembly (D 08, D 01, D 05, D 07, D 11, D 12, D 13, D 15)	1
D 09		Shaft bearing	1
D 10		Rewind shaft	1
D 11	*	Nipple	1
D 12	*	Crank shaft	1
D 13	*	Crank pin	1
D 14		Shaft spring	1

Parts No.		Description	Quantity
D15	*	Retainer ring	1
D16		Flat nut	1
D17		Shaft spring retainer screw	1
E01		Curtain shaft seat	1
0E02		Shutter rest assembly (E02, E17, E42-2, E87, E99, E131, F13, Small screw saucer medium 1.4×2.2×3)	1
0E03		Bottom shaft rest assembly (E03, E107, E108)	1
0E04		Release plate assembly (E04, E51)	1
0E05		High speed lever, top assembly (E05, E06, E52, E53, E111, E122, Set screw flat 1.4×2.5)	1
E06	*	High speed lever, bottom	1
E07		bulb lever	1
E08		1st curtain checker arm	1
E09		Pinion coupler lever	1
E10		Bounce stopper lever	1
E11	*	Governor actuator plate	1
E12-2	*	Selector gear bottom retainer plate A	1
E13	*	Selector gear bottom retainer plate B	1
E14	*	Selector gear bottom retainer plate seat	1
E15	*	Selector gear top retainer plate	1
E16	*	Switch A	1
E17	*	Click spring	1
E18	*	Switch B	1
0E19a		High speed cam assembly (E19a, E47)	1
0E19b		„ (E19b, E47)	1
E20a		Slow speed cam	1
E20b		„	
E21		Bulb cam	1
0E22		Shutter actuator plate assembly (E22, E90)	1
E23	*	Curtain edger	2
E24	*	X contact piece A	1

Parts No.	Description	Quantity
E25 *	X contact piece B	1
0E26	X contact piece assembly (E26, B16, B17, B52×4, B81×2, E24, E25, E27)	1
E27 *	X contact piece insulator	1
0E28-2	Exposure index dial assmbly (E28-2, E55-4)	1
0E29	'Cocked' indicator assembly (E29, E133)	1
E30	Spill	1
E31	Spill spring	1
E32	Spill receptacle plate	1
E33	Top intermediate gear	1
0E34	Bottom intermediate gear assembly (E34, E49)	1
0E35	Top selector gear assembly (E35, E15, E78, E81, E85, E89)	1
0E36	Bottom selector gear assembly (E36, E11, E12, E13, E14, E79, E80, E83)	1
0E37	Coupler gear assembly (E37, E113)	1
E38 *	Pinion	2
E39	Coupler pinion	1
E40	Worm wheel	2
E41	Worm	2
E42-2*	Speed selector disc shaft	1
E43 *	Selector gear shaft bearing	1
0E44	Speed dial assembly (E44, E124)	1
0E45	Speed selector retainer assembly (E45, E77, E125)	1
E47 *	High speed cam shaft	1
E48 *	Intermediate gear shaft	1
E49 *	Intermediate gear collar	1
E50 *	Bulb lever shaft	1
E51 *	Shutter rod	1
E52 *	High speed lever top collar	1
E53 *	High speed lever bottom collar	1
E54 *	1 st curtain checker arm seat	1
E55-4*	Exposure index dial seat	1

Parts No.		Description	Quantity
E 56a-2		Exposure index change ring	1
E 56b-2		„ „	1
E 56c-2		„ „	1
E 57		Pallet release cam	1
E 58-2		Speed selector disc	1
E 59	*	1st curtain spring spaft	1
E 60	*	2nd curtain spring shaft	1
0E 61		1st curtain pinion shaft assembly (E 61, E 38)	1
0E 62		2nd curtain pinion shaft assembly (E 52, E 38)	1
E 63	*	1st curtain spring pipe	1
E 64	*	2nd curtain spring pipe	1
E 65	*	2nd curtain wind shaft	1
E 66		1st curtain wind shaft	2
E 67		1st curtain roller	2
E 68		2nd curtain roller	2
E 69	*	Spring pipe bearing, top	2
E 70	*	Spring pipe bearing, bottom	2
E 71	*	2nd curtain wind shaft bearing, bottom	1
E 72	*	2nd curtain wind shaft bearing, top	1
E 73		Curtain shaft collar A	2
E 74		Curtain shaft collar B	2
E 75		Curtain shaft collar C	1
E 76		Curtain shaft collar D	2
E 77	*	X contact piece synchro pin	1
E 78	*	Selector pin	1
E 79	*	Governor actuator plate retainer rivet A	1
E 80	*	Governor actuator plate retainer rivet B	1
E 81	*	Selector gear top retainer plate rivet	1
E 82		Selector gear top bearing retainer rivet	3
E 83	*	Selector gear bottom stud	1
E 85	*	Selector gear top stud	1
E 86		Speed dial knob	1

Parts No.		Description	Quantity
E 87	*	Slow speed lever spring hanger	1
E 88		Shutter actuator plate retainer screw	2
E 89	*	'Cocked' indicator actuator stud	1
E 90	*	Shutter actuator plate stud	1
E 91		Speed dial retainer screw	1
E 92		Intermediate gear retainer screw	1
E 93		Pinion coupler lever retainer screw	1
E 94		Eccentric collar retainer screw	1
E 95		1 st curtain checker arm retainer screw	1
E 96		Coupler lever spring hanger	1
E 97		'Cocked' indicator retainer screw	1
E 98		Selector gear shaft retainer screw	1
E 99	*	Click spring retainer screw	4
E 100		Speed dial dial knob retainer screw	3
E 101		Bounce stopper screw	1
E 102		Pinion shaft retainer screw	3
E 103		Bulb lever nut	1
E 104	*	Indicator seat	1
E 105		Coupler gear retainer screw	1
E 106		Eccentric collar	1
E 107	*	Coupler gear seat	1
E 108	*	Pinion coupler lever seat	1
E 109		Bounce stopper adjust screw	1
E 110		Spill spring retainer screw	1
E 111	*	High speed lever adjust nut	2
E 112		Coupler pinion screw	1
E 113	*	Coupler gear stud	1
E 114		Speed dial knob spring	1
E 115	*	1 st curtain spring	1
E 116	*	2 nd curtain spring	1
E 117		Shutter rod spring	1
E 118		1 st curtain checker arm spring	1

Parts No.		Description	Quantity
E 119		Bulb lever spring	1
E 120	*	High speed lever spring	1
E 121		Pinion coupler lever spring	1
E 122	*	High speed lever joint spring	1
E 123		Bounce stopper spring	1
E 124	*	Exposure index window	1
E 125	*	X xontact insulator tube	1
E 126	*	1st curtain ribbon	1
E 127	*	2nd curtain ribbon	1
0E 128		Set of 1st shutter curtain assembly and 2nd shutter curtain assembly (E 128, E 23, E 59, E 63, E 69, E 70, E 115, E 126 & E 129, E 23, E 60, E 64, E 65, E 69, E 70, E 71, E 72, E 116, E 127)	1
E 129	*	2nd shutter curtain	1
E 130		Shutter rest retainer screw	1
E 131	*	Resistor seat retainer seat	2
E 132		Selector pin collar	10
E 133	*	Indicator collar	1
E 134		Exposure index selector disc	1
E 135		Pinion shaft collar	1
E 136		Pinion shaft collar retainer screw	1
F 01		Slow speed cam lever, top	1
0F 02		Slow speed cam lever, bottom assembly (F 02, E 111, F 12, Set screw flat 1.4×2.5)	1
0F 03		Governor actuator lever, top assembly (F 03, F 19)	1
F 04	*	Governor actuator lever, bottom	1
F 05	*	Pallet release lever top A	1
0F 06		Pallet release lever top B assembly (F 06, F 18)	1
F 07	*	Pallet release lever, bottom	1
0F 08		Governor actuator rod assembly (F 08, F 04, F 11)	1
0F 09		Pallet release rod assembly (F 09, F 07)	1

Parts No.		Description	Quantity
0F10		Pallet release lever collar assembly (F10, F05)	1
F11	*	Governor actuator stud	1
F12	*	Slow speed cam lever collar	1
F13	*	Slow speed cam lever column	1
F14		Pallet release rod collar	1
F15		Governor actuator rod spring	1
F16		Slow speed cam lever spring	1
F17		Slow speed cam lever retainer spring	1
F18	*	Pallet release lever B collar	1
0G00		Slow speed governor assembly (G01-G23)	1
0H00		Self-timer governor assembly (H01-H45, H55, H56)	1
H46		Self-timer set lever	1
H47		Self-timer set lever seat	1
H48		Self-timer set lever shaft	1
H49		Joint	1
H50		Self-timer set lever retainer screw	1
H51	*	Starter button seat	1
H52		Starter button	1
H53		Self-timer lever stopper	1
H54		Starter button spring	1
J01		Ammeter	1
J02a		Cds (composed of 2 kinds, redmarked and white marked)	2 (1 set)
J02b		Cds („ „)	2 (1 set)
0J04		Print wiring base A assembly (J04, J13, J14, J16)	1
J05		Print wiring base B	1

Parts No.		Description	Quantity
J 08-2		Variable resistor (composed of 2 kind, red marked and white marked)	1
J 09-2		Warning plate	1
J 10		Semi fixed resistor	1
J 11	*	Wire A	1
J 12	*	Wire B	1
J 13	*	Wire C	1
J 14	*	Wire D	1
J 15		Resistor seat retainer screw	1
J 16	*	Wire E	1
L 01		Mirror	1
L 02		Fresnel lens	1
L 03		Ground glass	1
L 04		Pentaprism	1
0 L 05		Magnifier front element assembly (L 05, L 06)	1
L 06	*	Magnifier rear element	1

LIST OF STANDARD PARTS

(Product No. 231)

Small Screws

Description		Surface treatment	Position of Use	Quantity
Flat, medium	1.2×1.2	White nickel	C01, E31	1
,,	1.2×1.6	,,	G12, G14	1
,,	1.4×1.8	Black nickel	A06, A22	2
			D01, D08	2
,,	1.4×2.0	White nickel	G02, G13	1
,,	1.4×2.0	Black nickel	E130, E131, J08-2	1
			A01, G01	2
,,	1.7×1.5	,,	B02	2
,,	1.7×2.0	,,	A01, A18, A25	1
,,	1.7×2.5	,,	A01, E26, E27	2
			B02, B26, B27	2
			B01, J05	2
			A01, A16	2
			A01, C02	1
,,	1.7×3.0	,,	A01, D09	2
			B02, B30	2
			A01, A20, J04	2
,,	1.7×3.5	,,	A01, H01	1
			C07, C41	1
			A01, B02	1
			B01, J01	2
,,	1.7×5.0	,,	B01, B02	3
,,	2.0×3.5	,,	C12-2, C42	1
Saucer, medium	1.4×2.2	Black nickel	E02, E42-2	3
			E20, E57	2

Description		Surface treatment	Position of Use	Quantity
Saucer, medium	1.4×3.2	Black nickel	A06, H47	2
,,	1.7×2.2	Chrome	A04, A32	2
,,	1.7×2.5	Black nickel	A01, E03	1
			A01, A16	2
,,	1.7×3.0	,,	A01, E02	2
			A01, E01	3
,,	1.7×3.5	,,	A01, B02	1
			A01, A32	2
			A01, C43	3
			C39, C59	2
			A01, H01	1
,,	2.0×3.0	Chrome	A01, A03	1
,,	2.0×3.5	,,	A01, A04	2
,,	2.0×3.5	Black nickel	A01, C04	2
Saucer, small	1.4×2.2	Black nickel	A06, A68	2
,,	1.7×2.0	,,	A08, A12	2
,,	1.7×3.2	,,	A01, A09, A44	2
Round, flat, mepium	1.7×3.5	Black nickel	E57, E58-2	2
Set, flat	1.4×2.5	White nickel	E05, E06	1
			F01, F02	1
,,	1.7×4.0	,,	A01, C07	1
			B01, B08, L04	2
Set, tapered	1,4×1.8	Black nickel	C69, C71	3
,,	1.4×2.2	,,	E01, E41	2
,,	1.7×2.0	,,	C12-2, C27	2
,,	1.7×2.5	,,	F09, F10	2

Washers

Description	Material	Thickness	Position of Use	Quantity
W1	Steel	0.05, 0.01	C17, C30	1
W3	„	0.4	C07, C92	1
W4	„	0.05, 0.1	C17, C31	1
W4	Phosphor bronze	0.15, 0.2	G03, G07	1
W5	„	0.3	B99	1
W6	Stainless steel	0.03, 0.05, 0.1,	E59, E60, E61,	
		0.15, 0.2	E62	0～2
W7	„	0.02, 0.03, 0.05,		
		0.07, 0.1	A01, A06	0～2
W8	„	0.05, 0.07, 0.1, 0.3	F01, F13	1
			E52, E53	0～1
			C62, C63	1
W8	„	0.2	B02, B19	1
W9	Brass	0.4	C51, C52	1
W12	„	0.05, 0.07, 0.1	B18, B19	1
W15	Phosphor bronze	0.05, 0.1	B85	1
W17	Steel	0.2	C10, C42, C86	2
W17	Bakelite	0.5	C11, C42	1
W23	Phosphor bronze	0.05, 0.1, 0.2	E42, E57	1
W27	„	0.05	F02	1
W28	Steel	0.2	C89	1
W28	„	0.03, 0.05	B88	1
W30	„	0.4	A01, C55-2	1
W30	Celluloid	0.4	A04, C56-2	1
W31	Steel	0.4	E10, E101	1
W33	Phosphor bronze	0.1, 0.2, 0.3	E44	1
W37	„	0.1, 0.2	C27, C42	1
W38	„	0.1	C39, C69	1

Lock Washers

Description	Material	Position of Use	Quantity
LW10	Steel	H51, H52	1
		G07	1
		E51	1
		E58	1
LW13	„	E60	1
		E59	1
		C54-2, C89	2
LW17	„	A21, A46	2
LW20	„	C28, C50	1